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THE CLAIMS DEFINING THE INVENTION ARE AS FOLLOWS:

1. A phosphorescent light cover or coating adapted to be retained or located on or about a light source, said cover or coating comprising a base material and one or more phosphor compounds.
2. The phosphorescent light cover or coating according to claim 1 wherein part or all of the cover or coating allows light transmission.
- 10 3. The phosphorescent light cover or coating according to claim 1 wherein part or all of the cover or coating is light reflective.
4. The phosphorescent light cover or coating according to claim 1 wherein the base material comprises glass.
- 15 5. The phosphorescent light cover or coating according to claim 1 wherein the base material comprises plastic.
6. The fluorescent light cover or coating according to claim 5 wherein the plastic is selected from one or more of polyethylene, polytetrafluoroethylene, polypropylene, poly(4-methylpentene-1), poly(tetrafluoroethylene), polyvinylchloride, polystyrene, polymethylmethacrylate, a polyurethane, a polycarbonate, a polysiloxane or poly(2,6-dimethylphenylene oxide).
- 25 7. The fluorescent light cover or coating according to claim 1 wherein the material is a fabric or mesh.
8. The fluorescent light cover or coating according to claim 1 wherein the phosphor is selected from one or more of strontium aluminate, alkaline earth metal sulphide, alkaline earth metal silicate oxide and zinc sulphide.

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9. The fluorescent light cover or coating according to claim 8 wherein the phosphor is europium doped.
10. The fluorescent light cover or coating according to claim 8 wherein the phosphor is 5 copper activated.
11. The phosphorescent light cover or coating according to claim 2 which is integral to a light bulb.
- 10 12. The phosphorescent light cover or coating according to claim 2 in the form of a coating applied to a light bulb.
13. The phosphorescent light cover or coating according to claim 2 in the form of a coating applied to a light bulb cover.
- 15 14. The phosphorescent light coating according to either claim 12 or claim 13 wherein the coating is a paint or a polymeric film.
- 15 15. The phosphorescent light cover or coating according to claim 2 in the form of an 20 incandescent light cover.
16. The phosphorescent light cover or coating according to claim 2 in the form of a fluorescent light cover.
- 25 17. The phosphorescent light cover or coating according to claim 2 which comprises a lens.
18. The phosphorescent light cover or coating according to claim 2 in the form of a light shade.

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19. The phosphorescent light cover or coating according to claim 2 in the form of a sleeve adapted to encompass at least a lengthwise portion of a fluorescent globe.
20. The phosphorescent light cover or coating according to claim 2 in the form of a 5 sleeve adapted to encompass a fluorescent globe.
21. The phosphorescent light cover or coating according to claim 20 further comprising friction fit end pieces having an aperture or apertures through which fluorescent globe connection pins may penetrate.
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22. A phosphorescent light cover comprising a base material and one or more phosphor compounds, which is in the form of a sleeve adapted to encompass a fluorescent globe, part or all of which allows light transmission, the light cover further comprising friction fit end pieces having an aperture or apertures through which fluorescent globe connection pins may penetrate.
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23. The phosphorescent light cover according to claim 20 wherein the base material is a plastic.
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24. The phosphorescent light cover according to claim 23 wherein the plastic is selected from one or more of polyethylene, polytetrafluoroethylene, polypropylene, poly(4-methylpentene-1), poly(tetrafluoroethylene), polyvinylchloride, polystyrene, polymethylmethacrylate, a polyurethane, a polycarbonate, a polysiloxane or poly(2,6-dimethylphenylene oxide).
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25. The phosphorescent light cover according to claim 22 wherein the base material comprises polypropylene.
26. The phosphorescent light cover according to claim 20 wherein the phosphor is selected from one or more of strontium aluminate, alkaline earth metal sulphide, alkaline 30 earth metal silicate oxide and zinc sulphide.

27. The phosphorescent light cover according to claim 20 wherein the phosphor is strontium aluminate.

5 28. A process for producing a phosphorescent light cover sleeve adapted to encompass at least a lengthwise portion of a fluorescent globe, comprising the steps of:

(a) mixing an extrudable or mouldable plastic with at least one phosphor compound to produce a master batch material;

10 (b) moulding or extruding the master batch material under appropriate temperature conditions to form a light cover sleeve of desired dimensions.

29. The process of claim 28 wherein the master batch material is in the form of pellets or granules.

15 30. The process of claim 28 wherein the plastic comprises one or more of polyethylene, polytetrafluoroethylene, polypropylene, poly(4-methylpentene-1), poly(tetrafluoroethylene), polyvinylchloride, polystyrene, polymethylmethacrylate, a polyurethane, a polycarbonate, a polysiloxane or poly(2,6-dimethylphenylene oxide).

20 31. The process according to claim 25 wherein the phosphor is selected from one or more of strontium aluminate, alkaline earth metal sulphide, alkaline earth metal silicate oxide and zinc sulphide.

25 32. The process according to claim 28 wherein the phosphor compound is strontium aluminate.

33. The process according to claim 28 wherein the plastic is polypropylene.

34. The process according to claim 25 wherein the phosphor compound is strontium 30 aluminate and the plastic is polypropylene.

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35. The process according to claim 34 wherein the moulding or extruding is carried out at a temperature of between about 180°C to about 230°C.

36. The process according to claim 34 wherein the moulding or extruding is carried out
5 at a temperature of between about 200°C to about 210°C.

37. The process according to claim 34 wherein the moulding or extruding is carried out at a temperature of about 205°C.

10 38. The process of claim 34 wherein the master batch material is extruded.